

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	201	(ccd or imager or sensor) with (shield\$4 OR BLOCK\$4) with (light or radiation) and (shield\$4 or block\$4) with resin and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 09:39
L3	111	(ccd or imager or sensor) with (shield\$4 OR BLOCK\$4) with (light or radiation) and (shield\$4 or block\$4) with resin and (@ad<"19990903" or @rlad<"19990903") and image	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 10:21
L4	2	"6724503".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 09:51
L5	1	"6724503".pn. and material	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 09:51
L6	1	"6724503".pn. and material and resin	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 09:52
L7	1	"6724503".pn. and material and resin and shield\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 09:52
L8	2	"5777335".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 10:40
L9	4	"11191865"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 10:40
S1	350	348/294.ccls. and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 09:56

## EAST Search History

S2	32	("20020047119" "20020051068" "20020145676" "20020190397" "20020191103" "20040238943" "20040263671" "5017988" "5097304" "5777335" "5952714" "6323891" "6548815" "6724503" "6795120" "6900843").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 10:03
S3	12	(yogesh with aggarwal).xa. and metal	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 13:21
S4	15	("4594613"   "5040069"   "5072283"   "5087964"   "5596229"   "5861654"   "5870638"   "5952714"   "6035147"   "6204896"   "6362921"   "6392703"   "6528778"   "6628339"   "6693674").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/06 13:56
S5	7	"6476417"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 14:04
S6	2	"6476417".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 14:04
S7	7	("4896217"   "5400072"   "5576895"   "5627589"   "5673083"   "6031998"   "6122009").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/06 14:04
S8	4	("6476417").URPN.	USPAT	OR	OFF	2006/04/06 14:05
S9	5	("5523608"   "5821532"   "6316838"   "6380629"   "6476417").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/06 14:35
S10	2401	(sensor or ccd or (solid adj state)) near4 (enclosure or package) and substrate same (sensor or ccd or (solid adj state))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/06 14:38
S11	1062	S10 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 14:37
S12	753	S11 and (sensor or ccd or (solid adj state)).ab.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/06 14:38

## EAST Search History

S13	1062	S11 and ((sensor or ccd or (solid adj state)) near4 (enclosure or package))	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/06 14:39
S14	101	S11 and ((sensor or ccd or (solid adj state)) near4 (enclosure or package)).ab.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/06 14:46
S15	34	(nelson with hernandez).xa.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/06 14:47
S16	2	("4987321"   "6018364").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/06 14:49
S17	2	"6476417".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/06 15:28
S18	7	("4896217"   "5400072"   "5576895"   "5627589"   "5673083"   "6031998"   "6122009").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/06 15:29
S19	669	348/294.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/10 09:58
S20	32	("20020047119" "20020051068" "20020145676" "20020190397" "20020191103" "20040238943" "20040263671" "5017988" "5097304" "5777335" "5952714" "6323891" "6548815" "6724503" "6795120" "6900843").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 10:03
S21	18	("5952714").URPN.	USPAT	OR	OFF	2006/04/10 10:06
S22	1	("5952714").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/10 10:15
S23	246	257/708.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/10 10:44
S24	147	257/709.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/10 10:45
S25	172	257/711.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/10 13:04
S26	1029	substrate with back with sensor	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/10 13:05

## EAST Search History

S27	680	substrate near4 back with sensor	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/10 13:05
S28	16	("20020043706"   "20020089044"   "20020093078"   "5087964"   "5266828"   "5352852"   "5463229"   "5786589"   "5867368"   "6144507"   "6255769"   "6342406"   "6400075"   "6566745"   "6571466"   "6656768").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/10 13:11
S29	4	("5293511"   "5491362"   "5610431"   "6288851").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/10 13:16
S30	3233	tomita.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/10 13:16
S31	69	(yoshihiro with tomita).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/10 13:19
S32	4	"6288851"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/10 13:20
S33	5	"6288851"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 13:20
S34	1	("5523608").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/10 13:21
S35	1	11-154810	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/10 13:22
S36	2	"11154810"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/10 13:22
S37	0	11-249473	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/10 13:22
S38	0	11-249473	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 13:23

## EAST Search History

S39	3	"11249473"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 13:24
S40	408	359/809.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 13:24
S41	124	S40 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 15:42
S42	626	257/684.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 13:26
S43	10	("20020096753"   "5211762"   "5952714"   "6130448"   "6297540"   "6396116"   "6455774"   "6531341"   "6545332"   "6590269").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/10 13:29
S44	42	("3972821"   "3973059"   "4459332"   "4485429"   "4603731"   "4685987"   "4849858"   "4869954"   "5014161"   "5077637"   "5150748"   "5178924"   "5213868"   "5328087"   "5402006"   "5455458"   "5528456"   "5542471"   "5545473"   "5585671"   "5674585"   "5691022"   "5695847"   "5725707"   "5726495"   "5852548"   "5858537"   "5873973"   "5898570"   "5904796"   "5912805"   "5968606"   "6030856"   "6054198"   "6080605"   "6084775"   "6090484"   "6096414"   "6197859"   "6204455"   "6311769"   "6436506").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/10 13:33

## EAST Search History

S45	20	("20010035576"   "20010050721"   "20020110949"   "5113290"   "5400072"   "5821532"   "5861654"   "5865935"   "5912774"   "5990552"   "5998878"   "6037641"   "6075237"   "6133569"   "6144031"   "6147389"   "6303978"   "6389687"   "6518656"   "6571466").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/10 13:39
S46	11	("20010012098"   "4560273"   "5153734"   "5609561"   "5673083"   "5699073"   "6025873"   "6072232"   "6084238"   "6203222"   "6326602").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/10 13:49
S47	914	257/719.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/10 13:49
S48	11	S46 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 13:49
S49	460	S47 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 13:53
S50	1042	substrate near3 (back or rear or under) near5 (sensor or photodetector or ccd or cmos)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 13:53
S51	579	S50 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 14:08
S52	34	(nelson with hernandez).xa.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 14:09
S53	1	09/691187	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 14:50

## EAST Search History

S54	2	"6114764".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 14:50
S55	135	(kazuhiko with hoshino).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 18:26
S56	1	4-235475	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 14:53
S57	9	"4235475"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 14:54
S58	0	04-235475	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 14:54
S59	1	4-235475	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 14:55
S60	0	04-235475	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 14:55
S61	4	"04235475"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 14:56
S62	4	"11191865"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 14:58
S63	9	"0773673"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 14:58

## EAST Search History

S64	12	"773673"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 14:59
S65	3	"19651260"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 15:13
S66	11	"6172361"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 15:15
S67	59	"6266197"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 15:15
S68	7	("4418284"   "4523102"   "5138145"   "5867368"   "6172361"   "6266197"   "6342406").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/10 15:18
S69	10	("4663652"   "4760440"   "5118370"   "5200631"   "5331512"   "5357056"   "5478007"   "5495450"   "5753857"   "5786589").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/10 15:21
S70	13	("4113981"   "4740700"   "4929965"   "5019201"   "5021888"   "5042919"   "5084961"   "5117300"   "5118370"   "5360943"   "5362976"   "5432358"   "5506401").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/10 15:34
S71	0	09/652150	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/10 15:35
S72	0	09/652150	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 15:35
S73	0	09/652,150	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 15:35



## EAST Search History

S74	18	"652150"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 15:35
S75	1333	substrate near3 metal with sensor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 16:39
S76	695	S75 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 16:41
S77	306	S76 and metal with layer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 16:37
S78	192	S76 and metal near2 layer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 16:37
S79	173	substrate with metal near2 layer with lens	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 16:45
S80	64	S79 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 16:46
S81	51	substrate with metal near2 plate with lens	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 16:45
S82	19	S81 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 16:52

## EAST Search History

S83	69497	sensor with lenswith metal near3 (layer or plate) near6 substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 16:48
S84	3	sensor with lens with metal near3 (layer or plate) near6 substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 16:48
S85	96582	sensor with lenswith metal near3 (layer or plate) with substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 16:49
S86	13	sensor with lens with metal near3 (layer or plate) with substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 16:50
S87	19	sensor with lens same metal near3 (layer or plate) with substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 16:51
S88	337	257/660.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 16:51
S89	236	S88 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 18:36
S90	110	S89 and metal	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 17:03
S91	37	S89 and metal near3 (layer or plate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 17:03
S92	40	S89 and metal near3 (layer or plate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 17:05

## EAST Search History

S93	4	lens near3 (support or post) with metal near4 (layer or plate) same substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 18:00
S94	2	8-327448	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 18:01
S95	0	"8327448"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 18:01
S96	2	"08327448"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 18:02
S97	3	"9113352"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 18:02
S98	2	"09113352"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 18:02
S99	4	"10242519"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 18:02
S10 0	0	lens near3 (support or mount or post) with sensor and lens near3 (support or mount or post) with (metal near4 (layer or sheet or plate or seal\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 18:04
S10 1	5	lens near3 (support or mount or post) with sensor and (support or mount or post) with (metal near4 (layer or sheet or plate or seal\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 18:05
S10 2	6537	(optics or lens) with (support or mount or post or holder) with (photo\$1sens\$4 or photo\$1detect\$4 or sens\$4 or imager or ccd or cmos)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 18:06

## EAST Search History

S10 3	151	S102 and metal near8 substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 18:31
S10 4	2	"6172361".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 18:20
S10 5	2	"6266197".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 18:20
S10 6	2	"4594613".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 18:20
S10 7	2	"5783815".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 18:33
S10 8	119	lens with (mount or support or holder) with substrate and substrate with metal near3 (layer or shield or support or plate or layer or sheet)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 11:23
S10 9	58	S108 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 18:40
S11 0	2403	(lens or optic\$3) with (mount or support or holder or post or structure) with substrate and substrate with metal near3 (layer or shield or support or plate or layer or sheet)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/10 18:40
S11 1	1120	S110 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/10 18:41

## EAST Search History

S11 2	1056	S111 not tsikos.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 09:52
S11 3	2	substrate near3 plate with sensor with (strong\$4 or strenght or durable or break\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 09:54
S11 4	89274	substrate with metal near2 (plate or layer or sheet)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 09:55
S11 5	14813	S114 and (sensor or photo\$1detector or photo\$1sensor or ccd or cmos or imager or camera)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 09:56
S11 6	2272	S114 same (sensor or photo\$1detector or photo\$1sensor or ccd or cmos or imager or camera)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 09:56
S11 7	1242	S114 with (sensor or photo\$1detector or photo\$1sensor or ccd or cmos or imager or camera)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 09:56
S11 8	609	S117 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 16:29
S11 9	30	lens with (mount or support or holder) with substrate with (spacer or washer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 11:25
S12 0	36	lens with (mount or support or holder) with (spacer or washer) with (sensor or photo\$1detect\$4 or photo\$1sens\$4 or imager or cd or cmos)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 11:31
S12 1	11	S120 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 11:35

## EAST Search History

S12 2	711	lens near5 (support or mount or post or holder) with (spacer or washer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 13:14
S12 3	348	S122 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 14:06
S12 4	107	S123 and (sensor or imager or camera or ccd or cmos)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 11:36
S12 5	115	S123 and (sensor or imager or camera or ccd or cmos)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 13:10
S12 6	30	348/335.ccls. and spacer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 13:13
S12 7	39	(lens or optics) near5 (support or mount or post or holder) with (spacer or washer) same substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 13:23
S12 8	63	(lens or optics) with (support or mount or post or holder) with (spacer or washer) same substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 13:19
S12 9	33	S128 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 13:22
S13 0	4458	(lens or optics) near5 (support or mount or post or holder) with (ring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 13:23

## EAST Search History

S13 1	32	(lens or optics) near5 (support or mount or post or holder) with (ring) with substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 14:05
S13 2	906	(lens or optics) with (ring or spacer or washer) with substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 14:06
S13 3	417	S132 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 14:15
S13 4	7	("4055761"   "4403243"   "4993799"   "5087964"   "5167724"   "5274456"   "5617131").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/11 14:11
S13 5	16	("5981945").URPN.	USPAT	OR	OFF	2006/04/11 14:15
S13 6	490	257/730.ccls.	USPAT	OR	OFF	2006/04/11 14:22
S13 7	299	S136 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 16:05
S13 8	971	257/700.ccls.	USPAT	OR	OFF	2006/04/11 14:22
S13 9	620	S138 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 14:28
S14 0	7	S138 and (@ad<"19990903" or @rlad<"19990903") and lens	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 14:28
S14 1	8	S138 and (@ad<"19990903" or @rlad<"19990903") and lens	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 14:31

## EAST Search History

S14 2	462848	substrate with metal plate with (strong\$3 or reinforc\$4 or streng\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 14:31
S14 3	12760	S142 and (@ad<"19990903" or @rlad<"19990903") and lens	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 14:31
S14 4	405	substrate with metal near3 plate with (strong\$3 or reinforc\$4 or streng\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 14:31
S14 5	12760	S143 and (@ad<"19990903" or @rlad<"19990903") and lens	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 14:31
S14 6	5	S144 and (@ad<"19990903" or @rlad<"19990903") and lens	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 14:32
S14 7	247	S144 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 14:45
S14 8	2	"5679978".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 14:51
S14 9	4	"5679978" and S147	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 16:05
S15 0	529	flip near2 chip with sensor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 16:05
S15 1	144	S150 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 19:01



## EAST Search History

S15 2	148	lens with spacer with (ccd or imager or sensor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 16:29
S15 3	66	S152 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 16:29
S15 4	7	("4055761"   "4403243"   "4993799"   "5087964"   "5167724"   "5274456"   "5617131").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/11 17:51
S15 5	32	("20020047119" "20020051068" "20020145676" "20020190397" "20020191103" "20040238943" "20040263671" "5017988" "5097304" "5777335" "5952714" "6323891" "6548815" "6724503" "6795120" "6900843").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 18:24
S15 6	0	09/652150	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 18:24
S15 7	0	09/652,150	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 18:24
S15 8	0	"09 / 652,150"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 18:25
S15 9	0	"09650160"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 18:25
S16 0	2	"5777335".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 18:30
S16 1	17968	sensor with shield\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 18:30

## EAST Search History

S16 2	4984	sensor with shield\$4 near5 (light or radiation)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 18:30
S16 3	65	sensor with shield\$4 near5 (light or radiation) with rear	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 18:30
S16 4	73	sensor with shield\$4 near5 (light or radiation) with rear	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 18:39
S16 5	604	sensor and resin with si	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 19:01
S16 6	310	sensor and resin near5 shield	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 19:01
S16 7	185	S166 and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 19:02
S16 8	144	S167 not jones	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/11 19:07
S16 9	14	(ccd or imager or sensor) with shield with (light or radiation) with resin and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/11 19:10
S17 0	28	(ccd or imager or sensor) with shield with (light or radiation) and shield with resin and (@ad<"19990903" or @rlad<"19990903")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 09:38